

Figure 1. Backscatter coefficient ( $\sigma_{naught}$ ) and topographic maps of Venus. The top map shows the Magellan spacecraft orbit Venus from August to March 1992, with a color-coded backscatter coefficient map. The bottom map shows the Venusian surface with topographic contours and a color-coded backscatter coefficient map. The maps are labeled with latitude and longitude coordinates.



Figure 2. Synthetic aperture radar (SAR) image of the Padus Dorsa quadrangle showing traces of topographic profiles in figure 4.

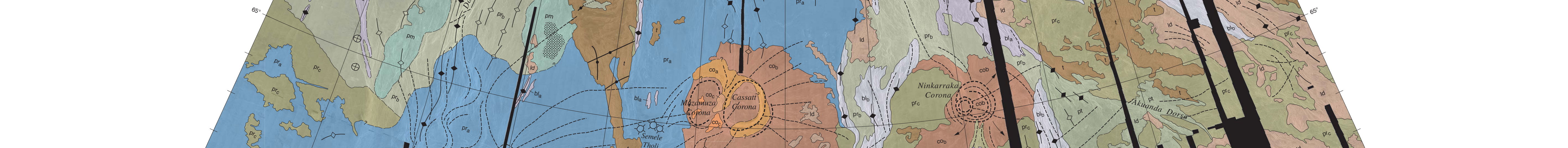


Figure 3. Schematic diagram of regional plate boundaries between Baffin Dorsa and Padus Dorsa. The diagram shows a cross-section of the Venusian crust and upper mantle, with labels for various geological features and plate boundaries. The diagram is labeled with latitude and longitude coordinates.

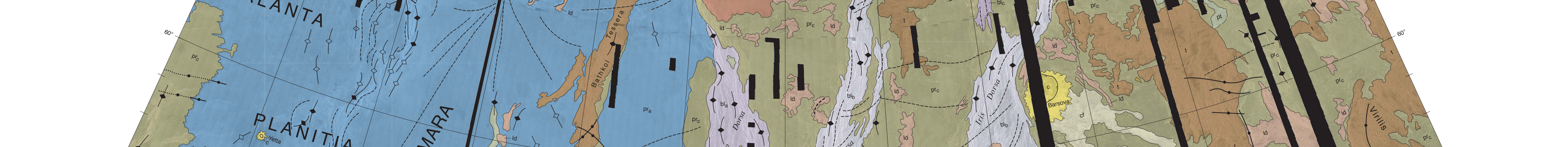


Figure 4. Topographic profile of the Padus Dorsa quadrangle. The profile shows the elevation of the Venusian surface along a line from 14°N to 18°N latitude. The profile is labeled with latitude and longitude coordinates.

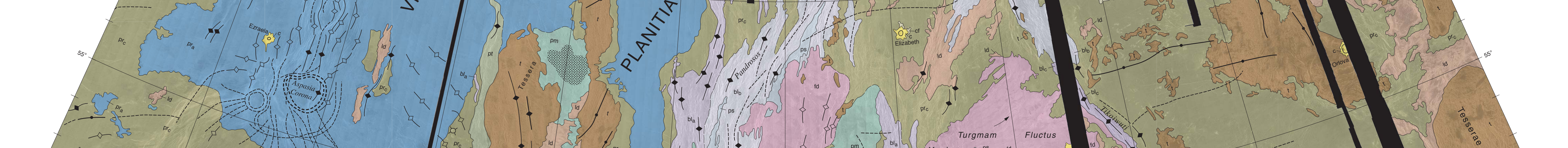


Figure 5. Geological sketch map of southern Padus Dorsa. The map shows the geological features of the southern Padus Dorsa quadrangle, including topographic contours, plate boundaries, and various geological units. The map is labeled with latitude and longitude coordinates.

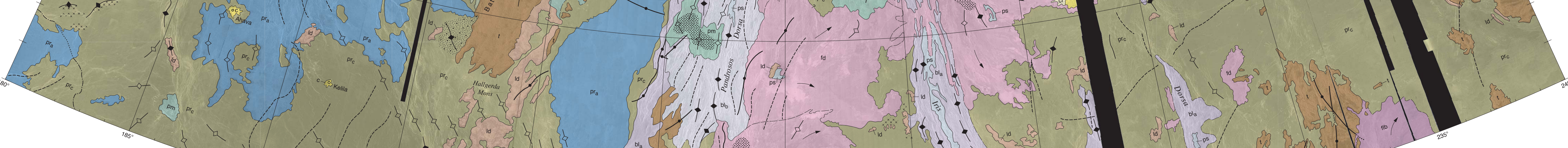


Figure 6. Structural features within southern Padus Dorsa. The map shows the structural features of the southern Padus Dorsa quadrangle, including topographic contours, plate boundaries, and various geological units. The map is labeled with latitude and longitude coordinates.

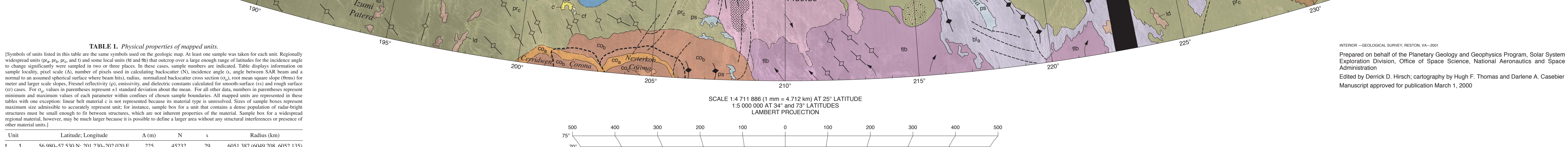


Figure 7. Schematic diagram of regional plate boundaries between Baffin Dorsa and Padus Dorsa. The diagram shows a cross-section of the Venusian crust and upper mantle, with labels for various geological features and plate boundaries. The diagram is labeled with latitude and longitude coordinates.

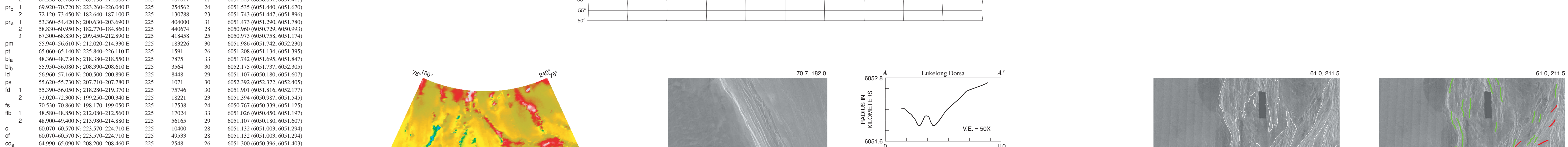


Figure 8. Topographic profile of the Padus Dorsa quadrangle. The profile shows the elevation of the Venusian surface along a line from 14°N to 18°N latitude. The profile is labeled with latitude and longitude coordinates.

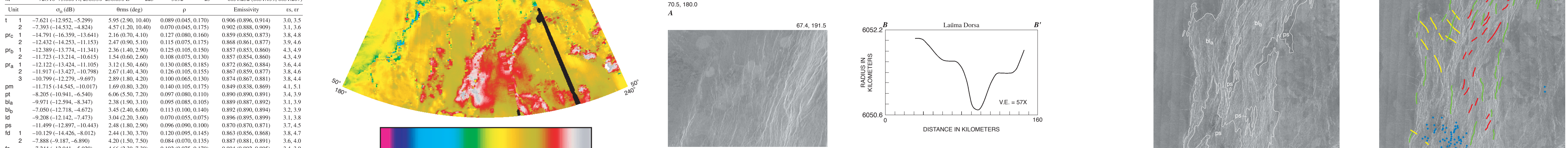


Figure 9. Geological sketch map of southern Padus Dorsa. The map shows the geological features of the southern Padus Dorsa quadrangle, including topographic contours, plate boundaries, and various geological units. The map is labeled with latitude and longitude coordinates.

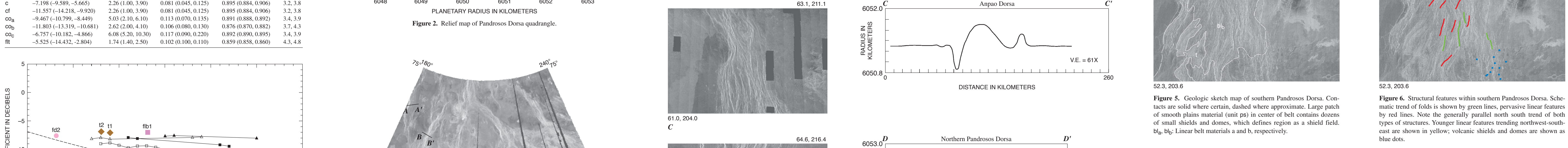


Figure 10. Structural features within southern Padus Dorsa. The map shows the structural features of the southern Padus Dorsa quadrangle, including topographic contours, plate boundaries, and various geological units. The map is labeled with latitude and longitude coordinates.

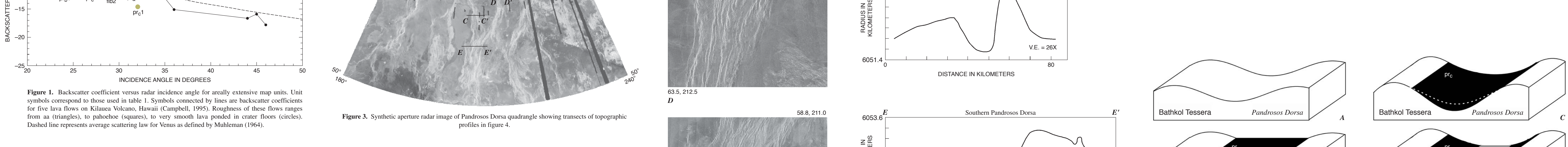


Figure 11. Schematic diagram of regional plate boundaries between Baffin Dorsa and Padus Dorsa. The diagram shows a cross-section of the Venusian crust and upper mantle, with labels for various geological features and plate boundaries. The diagram is labeled with latitude and longitude coordinates.

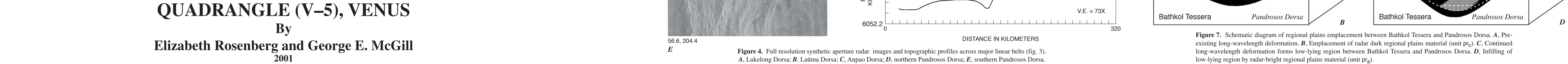


Figure 12. Topographic profile of the Padus Dorsa quadrangle. The profile shows the elevation of the Venusian surface along a line from 14°N to 18°N latitude. The profile is labeled with latitude and longitude coordinates.

Figure 13. Geological sketch map of southern Padus Dorsa. The map shows the geological features of the southern Padus Dorsa quadrangle, including topographic contours, plate boundaries, and various geological units. The map is labeled with latitude and longitude coordinates.

Figure 14. Full-resolution synthetic aperture radar (SAR) image and topographic profile of the Padus Dorsa quadrangle. The image shows a grayscale SAR image of the Venusian surface, with a color-coded backscatter coefficient map overlaid. The image is labeled with latitude and longitude coordinates.

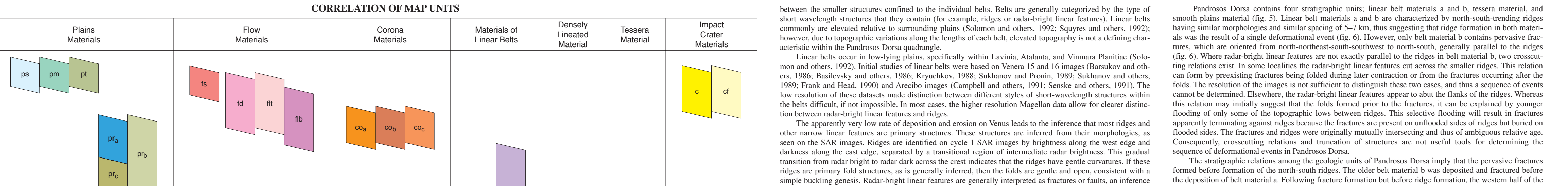


Figure 15. Backscatter coefficient ( $\sigma_{naught}$ ) and topographic maps of Venus. The top map shows the Magellan spacecraft orbit Venus from August to March 1992, with a color-coded backscatter coefficient map. The bottom map shows the Venusian surface with topographic contours and a color-coded backscatter coefficient map. The maps are labeled with latitude and longitude coordinates.

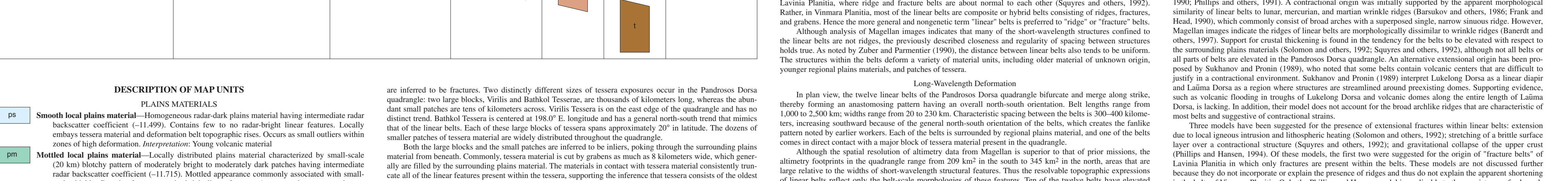


Figure 16. Synthetic aperture radar (SAR) image of the Padus Dorsa quadrangle showing traces of topographic profiles in figure 4.

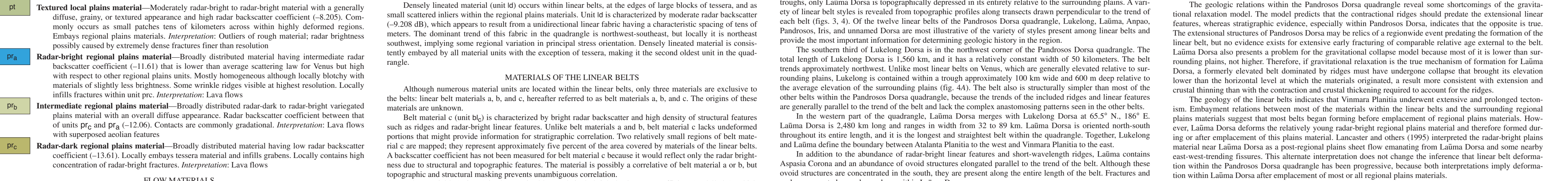


Figure 17. Schematic diagram of regional plate boundaries between Baffin Dorsa and Padus Dorsa. The diagram shows a cross-section of the Venusian crust and upper mantle, with labels for various geological features and plate boundaries. The diagram is labeled with latitude and longitude coordinates.

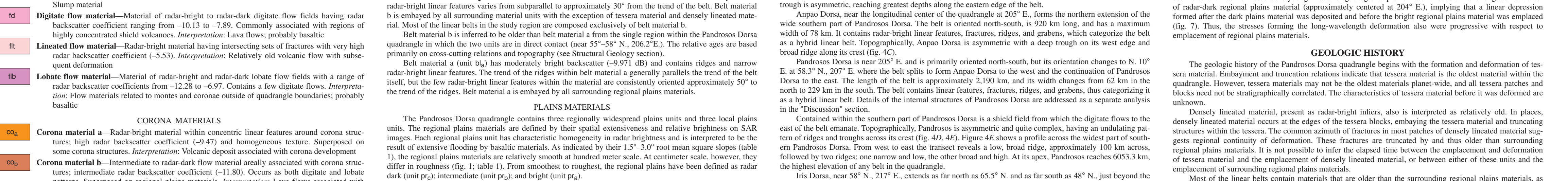


Figure 18. Topographic profile of the Padus Dorsa quadrangle. The profile shows the elevation of the Venusian surface along a line from 14°N to 18°N latitude. The profile is labeled with latitude and longitude coordinates.

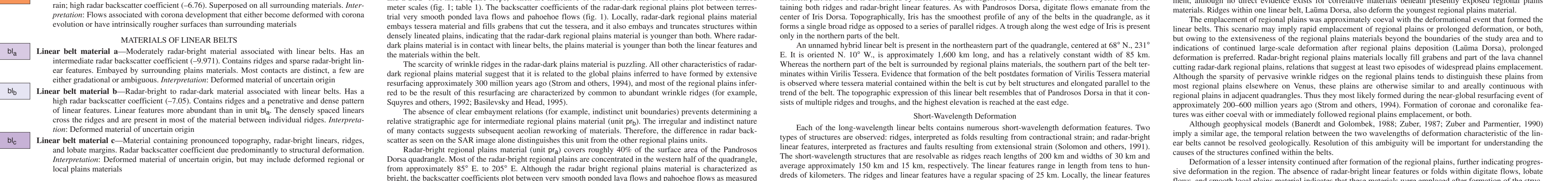


Figure 19. Geological sketch map of southern Padus Dorsa. The map shows the geological features of the southern Padus Dorsa quadrangle, including topographic contours, plate boundaries, and various geological units. The map is labeled with latitude and longitude coordinates.

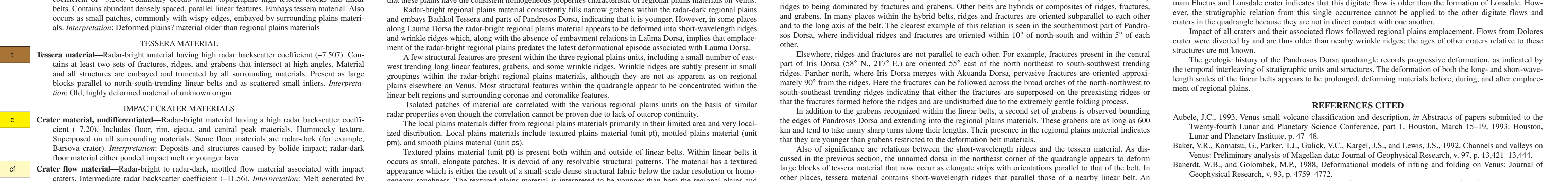


Figure 20. Structural features within southern Padus Dorsa. The map shows the structural features of the southern Padus Dorsa quadrangle, including topographic contours, plate boundaries, and various geological units. The map is labeled with latitude and longitude coordinates.

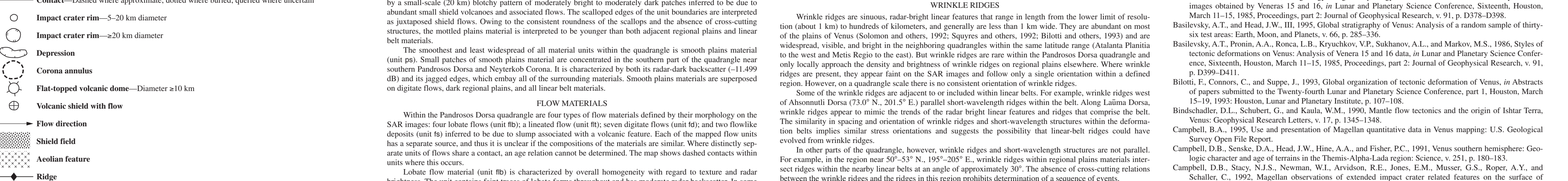


Figure 21. Schematic diagram of regional plate boundaries between Baffin Dorsa and Padus Dorsa. The diagram shows a cross-section of the Venusian crust and upper mantle, with labels for various geological features and plate boundaries. The diagram is labeled with latitude and longitude coordinates.

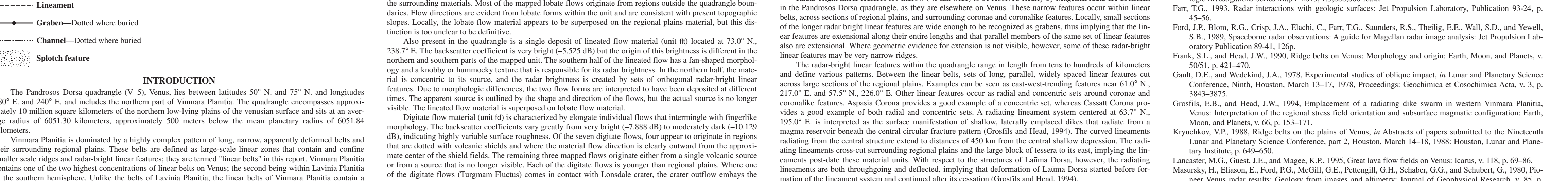


Figure 22. Topographic profile of the Padus Dorsa quadrangle. The profile shows the elevation of the Venusian surface along a line from 14°N to 18°N latitude. The profile is labeled with latitude and longitude coordinates.

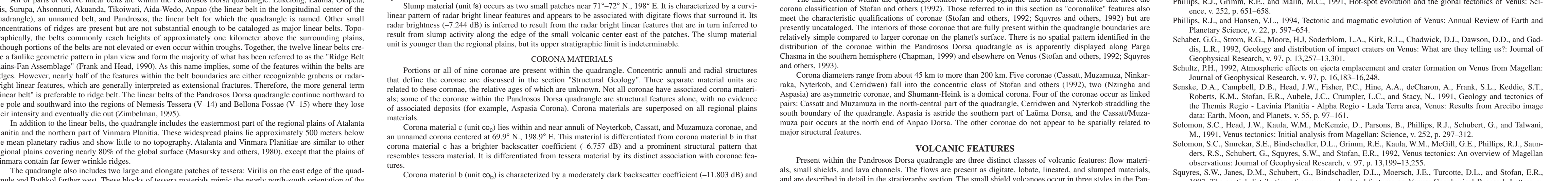


Figure 23. Geological sketch map of southern Padus Dorsa. The map shows the geological features of the southern Padus Dorsa quadrangle, including topographic contours, plate boundaries, and various geological units. The map is labeled with latitude and longitude coordinates.

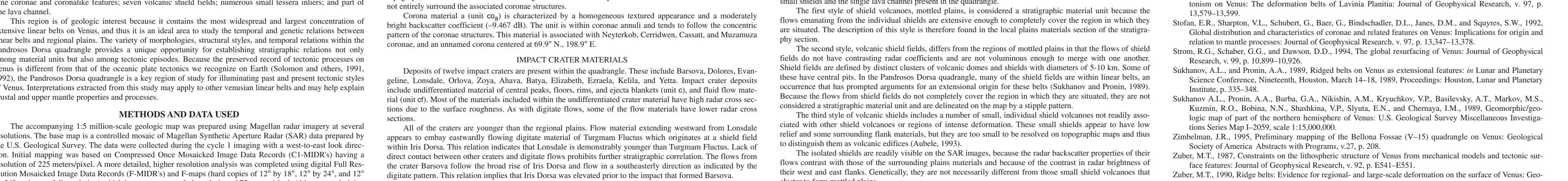


Figure 24. Structural features within southern Padus Dorsa. The map shows the structural features of the southern Padus Dorsa quadrangle, including topographic contours, plate boundaries, and various geological units. The map is labeled with latitude and longitude coordinates.

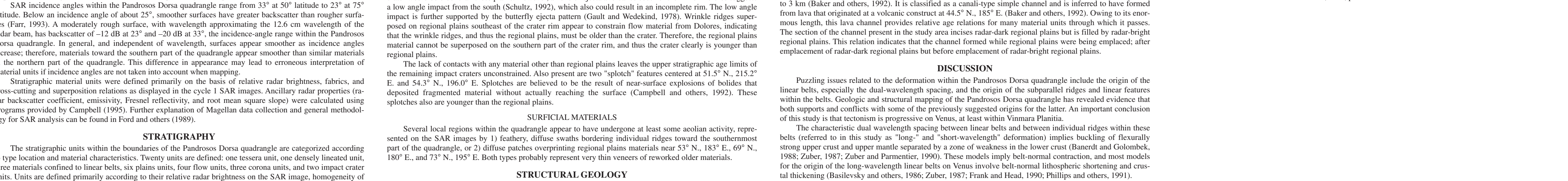


Figure 25. Schematic diagram of regional plate boundaries between Baffin Dorsa and Padus Dorsa. The diagram shows a cross-section of the Venusian crust and upper mantle, with labels for various geological features and plate boundaries. The diagram is labeled with latitude and longitude coordinates.

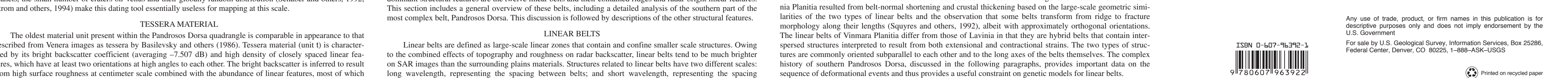


Figure 26. Topographic profile of the Padus Dorsa quadrangle. The profile shows the elevation of the Venusian surface along a line from 14°N to 18°N latitude. The profile is labeled with latitude and longitude coordinates.

Figure 27. Geological sketch map of southern Padus Dorsa. The map shows the geological features of the southern Padus Dorsa quadrangle, including topographic contours, plate boundaries, and various geological units. The map is labeled with latitude and longitude coordinates.

Figure 28. Full-resolution synthetic aperture radar (SAR) image and topographic profile of the Padus Dorsa quadrangle. The image shows a grayscale SAR image of the Venusian surface, with a color-coded backscatter coefficient map overlaid. The image is labeled with latitude and longitude coordinates.